PRESS RELEASE   **FOR IMMEDIATE RELEASE**

BTech Partners with The University of Queensland to Drive Innovation and Sustainability in Mining Technology

- *PT Bukit Teknologi Digital (BTech), a subsidiary and the R&D arm of PT Delta Dunia Makmur Tbk (Delta Dunia Group), has signed a research services agreement with The University of Queensland (UQ) to drive innovation and sustainability in the mining sector.*
- *This collaboration brings together industry, data analytics and academic expertise from BTech and UQ, aligning closely with Delta Dunia Group's strategic focus on technology as one of its core growth levers.*
- *BTech and UQ partnership aims to establish a robust framework for Asset Health Indicators that will accurately indicate the Remaining Useful Life (RUL) of equipment critical components – an essential factor in driving operational efficiency and sustainability in mining.*
- *This partnership underscores Delta Dunia Group's commitment to deepening the connections between the Group and Australia, extending beyond business operations to include collaborative R&D projects focused on sustainable practices and innovative advancements.*

Queensland, Australia, November 15, 2024 — PT Bukit Teknologi Digital (BTech), a subsidiary and the research and development (R&D) arm of **PT Delta Dunia Makmur Tbk (Delta Dunia Group, IDX: DOID)**, has signed a research services agreement with **The University of Queensland (UQ)** to drive innovation and sustainability in the mining sector. This collaboration synergizes BTech's advanced mining analytics with UQ's world-class research capabilities, closely aligning with Delta Dunia Group's focus on technology as a core growth lever. Together, the research is strategically positioned to significantly enhance operational excellence and sustainability within Delta Dunia Group.

This joint research will focus on developing a robust framework for Asset Health Indicators that accurately determine the Remaining Useful Life (RUL) of critical equipment components. Insights into component and asset health is crucial to effective maintenance, extending component lifecycle sustainably and optimizing fleet management.

To address the challenges of unplanned downtime and costly repairs in mining operations of the Delta Dunia Group, this research will conduct an in-depth analysis using data analytics, machine learning-based failure detection, component health indexing with key parameters, and the optimization of RUL and component lifetime.

Endang Veronica, President Director at BTech, said, "We are excited to partner with The University of Queensland, one of the leading universities in Australia known for its world-class research expertise. As a growing mining technology company, we are committed to investing in various innovations that enhance our end-to-end, cutting-edge solutions for our clients. This collaboration with UQ marks a milestone in our journey towards technological excellence in mining. By integrating pioneering research with our operational expertise, we are setting new industry standards for reliability and sustainability."

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Since its spin-off in 2023, BTech has collaborated with the operating companies of Delta Dunia Group in Indonesia and Australia through a comprehensive suite of initiatives across Asset Management, Safety, Health, and Environment (SHE), People Management, and Mine Engineering. BTech's strength lies in using tailored analytics to optimize operational excellence and enhance sustainability performance.

Professor Sue Harrison, Executive Dean of the Faculty of Engineering Architecture and Information Technology at UQ, stated, "We are thrilled to establish this important collaboration with an Indonesian company, especially in the mining sector. This partnership marks a significant step for The University of Queensland in fostering global innovation. Advancing predictive maintenance is critical in optimizing mining operations, and we are excited to partner with BTech in this research, which has the potential to drive new industry milestones. Together, we aim to deliver solutions that enhance equipment reliability while driving sustainable practices in the mining sector."

UQ is one of Australia's top research-intensive universities, with an emphasis on high-quality, interdisciplinary global collaboration with public and private organizations. The School of Mechanical and Mining Engineering at UQ offers extensive expertise in mining-related research, particularly in RUL and predictive maintenance. Their research spans systems simulation, sensing technologies, strategic and tactical planning of mining systems, which support advancements in asset reliability and operational efficiency[1].

The partnership between BTech and UQ highlights Delta Dunia Group's commitment to deepening connections with Australia, extending beyond business operations to collaborative R&D projects centered on sustainable practices and innovative advancements. On 20 September 2024, the Group signed an Umbrella Agreement with UQ designed to benefit stakeholders in Indonesia and Australia significantly. This agreement underpins research initiatives across all Delta Dunia Group subsidiaries, driving advancements in sustainable mining practices, workforce innovation, and the integration of cutting-edge technologies.

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About PT Delta Dunia Makmur Tbk (Delta Dunia Group):
Established in 1990, PT Delta Dunia Makmur Tbk (Delta Dunia Group) is a prominent holding company operating in Indonesia, Australia, and USA. Our principal subsidiary, PT Bukit Makmur Utama (BUMA), is a leading provider of mining services to some of the largest miners in Indonesia and Australia (through BUMA Australia Pty Ltd). In June 2024, through PT Bukit Makmur Internasional (BUMA International), we acquired Atlantic Carbon Group, Inc. (ACG) and became the leading producer of anthracite coal in the USA, further strengthening the Group's global footprint in the mining industry.

In 2023, Delta Dunia Group expanded its portfolio with the addition of two new subsidiaries: PT Bukit Teknologi Digital (BTech), developing AI deep learning technologies to improve operational efficiency, reduce emissions, and minimize Occupational Health and Safety (OHS) operational risks, and PT BISA Ruang Nuswantara (BIRU), a social enterprise dedicated to education, vocational schools, and fostering circular economy.

Listed on the Indonesia Stock Exchange (IDX Code: DOID), Delta Dunia Group is headquartered in Jakarta, Indonesia, and is supported by a workforce of over 16,000 employees across Indonesia, Australia, and USA. In June 2024, Delta Dunia Group was recognized among the Top 200 in the inaugural FORTUNE Southeast Asia 500 rankings, a prestigious list that identifies the region's largest companies by revenue.

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[1] *Research capabilities in UQ:* https://mechmining.uq.edu.au/research/future-autonomous-systems-and-technologies/research-capabilities

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About PT Bukit Teknologi Digital (BTech)
PT Bukit Teknologi Digital (BTech) was spun off by Delta Dunia Group in 2023. BTech operates in Indonesia and Australia, and is revolutionizing the mining industry by its end-to-end cutting-edge technologies. BTech's mission is to optimize operational and financial efficiency, and sustainability through the power of machine learning and tailored analytic solutions.

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